



SEQUENCE LISTING

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APR 17 2003

TECH CENTER 1600/2900

<110> Fisher, Paul  
Su, Zao-Zhong

<120> Nucleic Acids Comprising Regions of the  
Rat PEG-3 Promoter that Display Elevated Expression in Human  
Cancer Cells and Uses Thereof

<130> A34690

<140> 09/621,781

<141> 2000-07-21

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1970

<212> DNA

<213> Rattus norvegicus

<220>

<221> promoter

<222> (1507)...(1970)

<223> PEG-3 Promoter (corresponds to -270 to +194 of  
Figure 2)

<221> protein\_bind

<222> (1672)...(1677)

<223> PEA3 protein binding site

<221> TATA\_signal

<222> (1748)...(1753)

<221> misc\_feature

<222> (1777)...(1777)

<223> RNA cap site (corresponds to +1 of Figure 2)

<221> protein\_bind

<222> (1781)...(1787)

<223> AP1 protein binding site

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aaaacaaagg aaacagaaac atgcgttttt aaaaaagaag gaggagactc catgaaggca 180
ggccttggtt ggggtcactg cttctctgta cacaggagga gaattgccaa gatcttccgg 240
acagtgtgga ctatactgta agaccctctc aatacagaca gactggacag gcatagtgcg 300
acatgccttt aatgcctgca gtactcagga ggaggtggca ggtggaacgg ctgttctttg 360
aggttcaaga ccagcgtgga ctacagagtg agttccagga caggcagggc tacacagaaa 420
aatcctgtct gaaaacaaaa caaaacccag acagacacac caaaaacagc caagggacca 480
gagagatggg tcagggccta atcacttgct actctttgca gaggacccaa atttagttcc 540
tataaccctc catgagaagc ttcacaattg tctctaactc aattccaccc gtgttccgac 600
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| ctcccatatg | caccagacat | gttataactca | cacatacgca | caaacacaca  | cacacacaca | 660  |
| cacacacaca | cacacacaca | cacacacaca  | cggaaaacat | ataaaaataaa | gatttaaaaa | 720  |
| atctttttct | tttggccggg | gtgtgtggga  | gagcatctga | gccatctcac  | cagcccagg  | 780  |
| tgcacgtctt | tttctttttt | tcggagctgg  | ggaccgaacc | cagagccttg  | tgcttgctag | 840  |
| gcaagtgctc | taccactgag | ctaaatcccc  | aaccccggag | cacgtcttta  | atcccagaat | 900  |
| caggaggtag | aggtaatgag | atcccagtg   | gcccaggtc  | agccgagtct  | acaaagtgag | 960  |
| ttccaggaca | gccagaacta | atcttgga    | aacaaacaag | ggctggtgag  | gtggttcagt | 1020 |
| agttaagaac | actggctgct | cttccagagg  | tcctgagttc | attctcagta  | accacatggt | 1080 |
| ggggatctga | tgctgttct  | ggcatgcaga  | tatacatgca | gatagtgcac  | tcctacattt | 1140 |
| aaaaaaaaaa | gacataaata | atatttttaa  | acattggg   | ttttgtcttc  | taataaaact | 1200 |
| tcactgctat | cttctaataa | aaattcactg  | ctagccgcgg | ggtgtggtgc  | cccatacct  | 1260 |
| ttaatcccaa | caacttgaga | ggcagaggca  | ggcggacctt | tgagtttgaa  | gctagcctgg | 1320 |
| tctacagagt | gagttcaaga | tagccacgga  | tagtcagaaa | gtcctgtttc  | gaacctctcc | 1380 |
| ccaaccaa   | cactcctgta | atcccagcac  | tctggaggca | gtagcagggt  | agtccctgct | 1440 |
| tctcagagag | aggagagaga | gagagagaga  | gaggagacac | acacacacag  | agacagagag | 1500 |
| gagagagaaa | gagaaagaga | atgggacagc  | atgtgactgc | ctgatgaagt  | tggcgtgctt | 1560 |
| gctcaaaagt | tctgcgagat | tgacggctct  | ctggatttga | gccaaggaca  | cgcctgggaa | 1620 |
| gccacggtga | cctcacaagg | cccgaatct   | ccgcgagaat | ttcagtgttg  | tttctctctc | 1680 |
| tccacctttc | tcagggactt | ccgaaactcc  | gcctctccgg | tgacgtcagc  | atagcgctgc | 1740 |
| gtcagactat | aaactcccgg | gtgatcgtgt  | tggcgcagat | tgactcagtt  | cgcagcttgt | 1800 |
| ggaagattac | atgcgagacc | ccgcgcgact  | ccgcacccct | ttgccgggac  | agcctttgcg | 1860 |
| acagcccgtg | agacatcacg | tccccgagcc  | ccacgcctga | gggcgacatg  | aacgcgctgg | 1920 |
| ccttgagagc | aatccggacc | cacgatcgct  | tttggcaaac | cgaaccggac  |            | 1970 |

<210> 2

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> synthetic oligonucleotide

<400> 2

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|------------|------------|----------|----|
| gatctagggg | ggtgtgagag | gatcggag | 28 |
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<211> 25

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<223> synthetic oligonucleotide

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<212> DNA  
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<220>  
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<210> 11  
<211> 20  
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<223> synthetic oligonucleotide

<400> 11  
gtgttggtcc catctctcca 20

<210> 12  
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<220>  
<223> synthetic oligonucleotide

<400> 12  
cacaacaagg gtagagaggt 20